

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|--|---------------------------------|------------------|---------|------------------|
| L1 | 17 | 381/61-62.ccls. and phase adj3 shift\$3 SAME oscillat\$3 | USPAT | OR | OFF | 2005/10/12 15:54 |
| L2 | 4 | 381/118-119.ccls. and phase adj3 shift\$3 SAME oscillat\$3 | USPAT | OR | OFF | 2005/10/12 16:18 |
| L3 | 0 | "381"/\$.ccls. and Charbonnaux.IN. | USPAT | OR | OFF | 2005/10/12 16:22 |
| L4 | 0 | Charbonnaux.IN. | USPAT | OR | OFF | 2005/10/12 16:19 |
| L5 | 1 | Charbonnaux.IN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 16:19 |
| L6 | 23 | Morchain.IN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 16:20 |
| L7 | 3 | "381"/\$.ccls. and Morchain.IN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 16:22 |
| L8 | 0 | "381"/\$.ccls. and Charbonnaux.IN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 16:22 |
| L9 | 11 | "381"/\$.ccls. and Piccaluga.IN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 16:23 |
| L10 | 10 | "381"/\$.ccls. and Perrichon.IN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 16:24 |
| L11 | 0 | "381"/\$.ccls. and Charbonnaux.IN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 16:24 |
| L12 | 0 | "381"/\$.ccls. and Charbonnaux-Marc.IN. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 16:24 |
| S1 | 5 | 381/59.ccls. and (loudspeaker or speaker) SAME oscillator | USPAT | OR | OFF | 2005/10/12 15:50 |
| S2 | 4 | 381/58.ccls. and (loudspeaker or speaker) SAME oscillator | USPAT | OR | OFF | 2004/03/10 09:36 |
| S3 | 2 | 381/111.ccls. and (loudspeaker or speaker) SAME oscillator | USPAT | OR | OFF | 2004/03/10 09:37 |
| S4 | 3 | 381/116-117.ccls. and (loudspeaker or speaker) SAME oscillator | USPAT | OR | OFF | 2004/03/10 09:39 |
| S5 | 4 | 381/98.ccls. and (loudspeaker or speaker) SAME oscillator | USPAT | OR | OFF | 2004/03/10 09:59 |
| S6 | 0 | oscillator SAME micrc-phase adj3 shift adj3 pulse | USPAT | OR | OFF | 2004/03/10 10:00 |
| S7 | 0 | oscillator SAME micro-phase adj3 shift adj3 pulse | USPAT | OR | OFF | 2004/03/10 10:00 |

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|-----|------|---|---------------------------|----|-----|------------------|
| S8 | 0 | micro-phase adj3 shift adj3 pulse | USPAT | OR | OFF | 2004/03/10 10:01 |
| S9 | 0 | micro-phase adj3 shift adj3 modulation | USPAT | OR | OFF | 2004/03/10 10:01 |
| S10 | 0 | micro adj3 phase adj3 shift adj3 modulation | USPAT | OR | OFF | 2004/03/10 10:02 |
| S11 | 23 | micro adj3 phase adj3 shift | USPAT | OR | OFF | 2004/03/10 10:03 |
| S12 | 0 | micro adj3 phase adj3 shift SAME oscillator | USPAT | OR | OFF | 2004/03/10 10:03 |
| S13 | 0 | "381"/\$.ccls. and micro adj3 phase adj3 shift | USPAT | OR | OFF | 2004/03/10 10:03 |
| S14 | 23 | micro adj3 phase adj3 shift | USPAT | OR | OFF | 2004/03/10 10:03 |
| S15 | 282 | power adj3 supply SAME (loudspeaker or speaker) SAME oscillat\$3 | USPAT | OR | OFF | 2004/03/21 10:08 |
| S16 | 18 | "381"/\$.ccls. and power adj3 supply SAME (loudspeaker or speaker) SAME oscillat\$3 | USPAT | OR | OFF | 2004/03/21 10:01 |
| S17 | 1733 | power adj3 supply SAME oscillat\$3 SAME filter | USPAT | OR | OFF | 2004/03/21 10:08 |
| S18 | 20 | "381"/\$.ccls. and power adj3 supply SAME oscillat\$3 SAME filter | USPAT | OR | OFF | 2004/03/21 10:10 |
| S19 | 29 | "333"/\$.ccls. and power adj3 supply SAME oscillat\$3 SAME filter | USPAT | OR | OFF | 2004/03/21 10:15 |
| S20 | 0 | micro-phase adj3 shift SAME oscillat\$3 SAME filter | USPAT | OR | OFF | 2004/03/21 10:16 |
| S21 | 0 | (micro-phase or microphase) adj3 shift SAME oscillat\$3 | USPAT | OR | OFF | 2004/03/21 10:19 |
| S22 | 1010 | (phase) adj3 shift SAME oscillat\$3 SAME power | USPAT | OR | OFF | 2004/03/21 10:16 |
| S23 | 11 | "381"/\$.ccls. and (phase) adj3 shift SAME oscillat\$3 SAME power | USPAT | OR | OFF | 2004/03/21 10:16 |
| S24 | 5 | (micro-phase or microphase) adj3 shift | USPAT | OR | OFF | 2004/03/21 10:20 |
| S25 | 5 | (micro-phase or microphase) adj3 shift SAME modulat\$3 | USPAT | OR | OFF | 2004/03/21 10:21 |
| S26 | 10 | phase adj3 shift SAME modulat\$3 SAME power SAME (loudspeaker or speaker) | USPAT | OR | OFF | 2004/03/21 10:21 |
| S27 | 249 | "381"/\$.ccls. and (loudspeaker or speaker or transducer) SAME oscillator | USPAT | OR | OFF | 2004/06/08 18:49 |
| S28 | 208 | "381"/\$.ccls. and (loudspeaker or speaker or transducer) WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 18:50 |

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| S29 | 9 | 381/111.ccls. and (loudspeaker or speaker or transducer) WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:23 |
| S30 | 2 | 381/111.ccls. and (loudspeaker or speaker) WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 18:55 |
| S31 | 1 | 381/116-117.ccls. and (loudspeaker or speaker) WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 18:55 |
| S32 | 3 | 381/59.ccls. and (loudspeaker or speaker) WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 18:57 |
| S33 | 0 | 381/55.ccls. and (loudspeaker or speaker) WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 18:58 |
| S34 | 8 | 381/58-59.ccls. and (loudspeaker or speaker) WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:00 |
| S35 | 1887 | (loudspeaker or speaker) WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:00 |
| S36 | 19 | "330"/\$.ccls. and (loudspeaker or speaker) WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:02 |
| S37 | 37 | "331"/\$.ccls. and (loudspeaker or speaker) WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:12 |
| S38 | 6 | "331"/\$.ccls. and (loudspeaker or speaker) SAME oscillator SAME modul\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:14 |
| S39 | 2 | "330"/\$.ccls. and (loudspeaker or speaker) SAME oscillator SAME modul\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:14 |
| S40 | 12 | "330"/\$.ccls. and (loudspeaker or speaker) SAME oscillator SAME modulator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:19 |
| S41 | 29 | "381"/\$.ccls. and (loudspeaker or speaker) SAME oscillator SAME modulator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:20 |
| S42 | 0 | 381/116-117.ccls. and (loudspeaker or speaker) SAME oscillator SAME modulator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:20 |
| S43 | 0 | modulation SAME micro-phase adj3 shift WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:23 |
| S44 | 0 | modulation SAME micro-phase adj3 shift SAME oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:23 |

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| S45 | 0 | modulation SAME micro-phase adj3 shift | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:24 |
| S46 | 12328 | modulation SAME phase adj3 shift | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:24 |
| S47 | 1069 | modulation SAME phase adj3 shift SAME oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:24 |
| S48 | 185 | modulation WITH phase adj3 shift WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:24 |
| S49 | 1 | "381"/\$.ccls. and modulation WITH phase adj3 shift WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:24 |
| S50 | 28 | "331"/\$.ccls. and modulation WITH phase adj3 shift WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:26 |
| S51 | 0 | "331"/\$.ccls. and modulation WITH phase adj3 shift WITH oscillator SAME (loudspeaker or speaker) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:27 |
| S52 | 0 | "330"/\$.ccls. and modulation WITH phase adj3 shift WITH oscillator SAME (loudspeaker or speaker) | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:27 |
| S53 | 5 | "330"/\$.ccls. and modulation WITH phase adj3 shift WITH oscillator | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:28 |
| S54 | 0 | 381/116-117.ccls. and modulation WITH phase adj3 shift | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:28 |
| S55 | 1 | 381/58-59.ccls. and modulation WITH phase adj3 shift | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:29 |
| S56 | 0 | 381/55.ccls. and modulation WITH phase adj3 shift | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:29 |
| S57 | 0 | 381/61.ccls. and modulation WITH phase adj3 shift | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:29 |
| S58 | 368083 | "97" | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:29 |
| S59 | 0 | 381/97.ccls. and modulation WITH phase adj3 shift | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:29 |

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| S60 | 1 | "381"/\$.ccls. and modulation WITH phase adj3 shift SAME loudspeaker | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:29 |
| S61 | 54 | "381"/\$.ccls. and modulation WITH phase adj3 shift | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2004/06/08 19:30 |
| S62 | 52 | "381"/\$.ccls. and modulation WITH phase adj3 shift | US-PGPUB; USPAT | OR | OFF | 2004/06/08 19:30 |
| S63 | 64 | 381/99.ccls. and amplifier SAME (speaker or loudspeaker) | USPAT | OR | OFF | 2004/06/23 16:04 |
| S64 | 49 | 381/99.ccls. and amplifier WITH (speaker or loudspeaker) | USPAT | OR | OFF | 2004/06/23 16:07 |
| S65 | 116 | 381/98.ccls. and amplifier WITH (speaker or loudspeaker) | USPAT | OR | OFF | 2004/06/23 16:27 |
| S66 | 31 | 381/99.ccls. and amplifier SAME (speaker or loudspeaker) SAME filter | USPAT | OR | OFF | 2004/06/23 16:38 |
| S67 | 9 | 381/99.ccls. and amplifier SAME (speaker or loudspeaker) SAME filter SAME resist\$3 | USPAT | OR | OFF | 2004/06/23 16:39 |
| S68 | 0 | 381/98-103.ccls. and oscilat\$3 SAmE high adj3 frequeuncy | USPAT | OR | OFF | 2005/02/09 16:24 |
| S69 | 0 | 381/98-103.ccls. and oscilat\$3 SAmE high adj3 frequency | USPAT | OR | OFF | 2005/02/09 16:24 |
| S70 | 16 | 381/98-103.ccls. and oscillat\$3 SAmE high adj3 frequency | USPAT | OR | OFF | 2005/02/09 16:25 |
| S71 | 21 | 381/98-103.ccls. and oscillat\$3 SAmE high adj3 frequency | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/02/09 16:28 |
| S72 | 13 | 381/61.ccls. and oscillat\$3 SAmE high adj3 frequency | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/02/09 16:34 |
| S73 | 3 | 381/61.ccls. and oscillat\$3 SAmE harmonics | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/02/09 16:34 |
| S74 | 10 | 381/98-99.ccls. and oscillat\$3 SAmE harmonics | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/02/09 16:35 |
| S75 | 6 | 381/97.ccls. and oscillator | USPAT | OR | OFF | 2005/02/21 12:04 |
| S76 | 2 | 381/61.ccls. and oscillator SAME microprocess\$3 | USPAT | OR | OFF | 2005/02/21 12:06 |
| S77 | 1 | 381/97-99.ccls. and oscillat\$3 SAME microprocess\$3 | USPAT | OR | OFF | 2005/02/21 12:09 |
| S78 | 2 | 381/103.ccls. and oscillat\$3 SAME microprocess\$3 | USPAT | OR | OFF | 2005/02/21 12:38 |
| S79 | 9 | "5388159" | USPAT | OR | OFF | 2005/02/21 12:38 |

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| S80 | 5 | "381"/\$.ccls. and phase adj3 shift\$3 SAME modulat\$3 adj3 pulse | USPAT | OR | OFF | 2005/10/12 12:37 |
| S81 | 7 | "381"/\$.ccls. and phase adj3 shift\$3 SAME modulat\$3 adj3 pulse | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 13:14 |
| S82 | 35 | "381"/\$.ccls. and phase adj3 shift adj3 modulat\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 13:15 |
| S83 | 18 | "381"/\$.ccls. and phase adj3 shift adj3 modulat\$3 SAME frequency | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 13:28 |
| S84 | 3 | "381"/\$.ccls. and phase adj3 shift adj3 modulat\$3 SAME high adj3 frequency | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 13:51 |
| S85 | 30 | "381"/116-117.ccls. and oscillat\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:21 |
| S86 | 49 | 381/61.ccls. and harmonics SAME distortion | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:44 |
| S87 | 35 | 381/61.ccls. and harmonics WITH distortion | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:33 |
| S88 | 0 | 381/61.ccls. and harmonics WITH oscillat\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:37 |
| S89 | 78 | 381/61.ccls. and oscillat\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:37 |
| S90 | 0 | 381/61.ccls. and oscillat\$3 SAME phase adj3 shift adj3 modulat\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:34 |
| S91 | 9 | 381/61.ccls. and oscillat\$3 SAME phase adj3 shift\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:34 |
| S92 | 2 | 381/61.ccls. and oscillat\$3 SAME pulse adj3 modulat\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:37 |
| S93 | 0 | 381/61.ccls. and harmonics SAME pulse adj3 modulat\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:37 |
| S94 | 29 | 381/61.ccls. and pulse adj3 modulat\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:43 |
| S95 | 0 | 381/61.ccls. and pulse adj3 modulat\$3 SAME phase adj3 shift\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:47 |

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| S96 | 5 | 381/62.ccls. and harmonics SAME distortion | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:45 |
| S97 | 0 | 381/62.ccls. and pulse adj3 modulats3 SAME phase adj3 shift\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:51 |
| S98 | 5 | 381/62.ccls. and pulse adj3 modulats3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:47 |
| S99 | 22 | 381/62.ccls. and phase adj3 shift\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:57 |
| S100 | 0 | 381/62.ccls. and phase adj3 shift\$3 SAME high adj3 frequency | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 14:58 |
| S101 | 28 | 381/118-119.ccls. and phase adj3 shift\$3 | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 15:01 |
| S102 | 33 | 381/118-119.ccls. and harmonics | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 15:04 |
| S103 | 105 | 381/62.ccls. | US-PGPUB; USPAT; EPO; JPO | OR | OFF | 2005/10/12 15:05 |
| S104 | 99 | 381/62.ccls. | USPAT | OR | OFF | 2005/10/12 15:05 |